

WHAT IS CLAIMED IS:

1. A digital broadcast/analog broadcast receiving and recording apparatus comprising:

a receive section adapted to receive a digital broadcast signal
5 and an analog broadcast signal;

a demodulate section adapted to demodulate the digital broadcast signal of a selected channel into a first digital data;

an encode section adapted to encode the analog broadcast signal of a channel corresponding to the selected channel into a second
10 digital data;

a record section adapted to record the first digital data and the second digital data in a predetermined format; and

a control section adapted to control a recording process of the record section,

15 wherein the control section comprises:

an identifying unit adapted to identify the analog broadcast signal channel broadcasting the same program as the program on the selected digital broadcast signal channel;

a first controlling unit adapted to control the record section
20 to record the first digital data and the second digital data in parallel as different files;

an observing unit adapted to observe a C/N ratio of the digital broadcast signal;

a storing unit adapted to store a time period in which the C/N
25 ratio becomes equal to or less than a predetermined threshold value

as compensation time information;

a replacing unit adapted to replace a portion of the first digital data wherein the C/N ratio becomes equal to or less than the predetermined threshold value with the second digital data corresponding to the portion for compensation based on time information contained in the first digital data and that contained in the second digital data;

a second controlling unit adapted to control the record section to record the first digital data compensated with the second digital data; and

an erasing unit adapted to erase the second digital data recorded onto the record section.

2. A digital broadcast/analog broadcast receiving and recording apparatus comprising:

a receive section adapted to receive a digital broadcast signal and an analog broadcast signal;

a demodulate section adapted to demodulate the digital broadcast signal of a selected channel into a first digital data;

an encode section adapted to encode the analog broadcast signal of a channel corresponding to the selected channel into a second digital data;

a record section adapted to record the first digital data and the second digital data in a predetermined format; and

a control section adapted to control a recording process of the record section,

wherein the control section comprises:

an identifying unit adapted to identify the analog broadcast signal channel broadcasting the same program as the program on the selected digital broadcast signal channel;

5 a first controlling unit adapted to control the record section to record the first digital data and the second digital data in parallel as different files; and

a replacing unit adapted to replace a portion of the first digital data wherein the C/N ratio becomes equal to or less than a
10 predetermined threshold value with the second digital data corresponding to the portion for compensation.

3. The digital broadcast/analog broadcast receiving and recording apparatus as claimed in claim 2, wherein the control section further comprises:

15 a second controlling unit adapted to control the record section to record the first digital data compensated with the second digital data; and

an erasing unit adapted to erase the second digital data recorded onto the record section.

20 4. The digital broadcast/analog broadcast receiving and recording apparatus as claimed in claim 2, wherein the control section further comprises:

an observing unit adapted to observe a C/N ratio of the digital broadcast signal; and

25 a storing unit adapted to store a time period in which the C/N

ratio becomes equal to or less than a predetermined threshold value as compensation time information, and

wherein the replacing unit replaces the portion of the first digital data with the second digital data based on time information
5 contained in the first digital data and that contained in the second digital data.